

TECHALLOY MARYLAND INC.,REID-AVERY DIV -- MIL 7018 -- 3439-00-610-1899

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Product Identification
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Product ID:MIL 7018

MSDS Date:11/01/1985

FSC:3439

NIIN:00-610-1899

MSDS Number: BFHTM

=== Responsible Party ===

Company Name:TECHALLOY MARYLAND INC.,REID-AVERY DIV

Address:2310 CHESAPEAKE AVE

City:BALTIMORE

State:MD

ZIP:21222-4012

Country:US

Emergency Phone Num:301-633-9300

CAGE:59711

=== Con

tractor Identification ===

Company Name:TECHALLOY COMPANY, INC.

Address:2310 CHESAPEAKE AVENUE

Box:City:BALTIMORE

State:MD

ZIP:21222

Country:US

Phone:410-633-9300; 800-638-1458

CAGE:59711

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Composition/Information on Ingredients
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Ingred Name:IRON

CAS:7439-89-6

RTECS #:NO4565500

Ingred Name:MANGANESE (SARA III)

CAS:7439-96-5

RTECS #:OO9275000

OSHA PEL:(C) 5 MG/M3 DUST

ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

OSHA PEL:15 MG/M3

TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:CHROMIUM (SARA III)
CAS:7440-47-3
RTECS #:GB4200000
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:MOLYBDENUM
CAS:7439-98-7
RTECS #:QA4680000
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3; 9293

Ingred Name:CALCIUM CARBONATE (MARBLE) (LIMESTONE)
CAS:1317-65-3
RTECS #:EV9580000
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9192

Ingred Name:CALCIUM FLUORIDE
CAS:7789-75-5
RTECS #:EW1760000
OSHA PEL:2.5 M
G/M3 (F)
ACGIH TLV:2.5 MG/M3 (F); 8990

Ingred Name:POTASSIUM TITANATE
CAS:12030-97-6

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS
FORMS) (SARA III)
CAS:1344-28-1
RTECS #:BD1200000
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:FELDSPAR
CAS:68476-25-5

Ingred Name:SILICA, AMORPHOUS, DUST
CAS:112945-52-5
RTECS #:VV7310000
OSHA PEL:6 MG/M3
ACGIH TLV:10 MG/M3; 8990

Ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
OSHA PEL:15 MG/M3 TDUS

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ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:POTASSIUM SILICATE
CAS:1312-76-1

Ingred Name:SODIUM SILICATE
CAS:6834-92-0
RTECS #:VV9275000
ACGIH TLV:5 MG/CUM

Ingred Name:ALUMINUM SODIUM FLUORIDE (SODIUM FLUOALUMINATE OR CRYOLITE)
CAS:15096-52-3
RTECS #:WA9625000
OSHA PEL:2.5 MG/M3 (F)
ACGIH TLV:2.5 MG/M3 (F); 8990

Ingred Name:MAGNESITE
CAS:546-93-0
RTECS #:OM2470000
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9192

Ingred Name:POTASSIUM HYDROXIDE (SARA III)
CAS:1310-58-3
RTECS #:TT2100
000
OSHA PEL:C, 2 MG/M3
ACGIH TLV:C 2 MG/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE:MAY RESULT IN DISCOMFORT SUCH AS
DIZZINESS,NAUSEA,DRYNESS OR IRRITATION OF NOSE,THROAT OR
EYES,TIGHTNESS IN CHEST,FEVER & ALLERGIC REACTIONS. CHRONIC:MAY
LEAD TO SIDEROSIS &

IS BELIEVED BY SOME INVESTIGATORS TO AFFECT PULMONARY FUNCTION.

Explanation of Carcinogenicity:CHROMIUM (CR+6) IS LISTED AS CARCINOGENIC.

Effects of Overexposure:SEE "HEALTH HAZARDS"

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===== First Aid Measures =====

First Aid:REMOVE TO FRESH AIR,IF BREATHING IS DIFFICULT,ADMINISTER OXYGEN,IF BREATHING HAS STOPPED,APPLY ARTIFICIAL RESPIRATOR; GET MEDICAL HELP.

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===== Fire Fighting Measures =====

Extinguishi

ng Media:NONE

Fire Fighting Procedures:NONE

Unusual Fire/Explosion Hazard:WELDING ARC AND SPARKS CAN IGNITE COMBUSTIBLES AND FLAMMABLES.

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===== Accidental Release Measures =====

Spill Release Procedures:SWEEP UP OR SCOOP UP.

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===== Handling and Storage =====

Handling and Storage Precautions:USE EXHAUST SYSTEM TO CLEAR WELDING FUMES.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection

:USE RESPIRABLE FUME RESPIRATORY OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN A CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:USE ADEQUATE GENERAL VENTILATION & LOCAL EXHAUST AT THE ARC.

Protective Gloves:WELDER'S GLOVES

Eye Protection:HELMET/FACE SHIELD WITH FILTER LENS

Other Protective Equipment:WEAR PROTECTIVE CLOTHING.

Supplemental Safety and Health

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===== Physical/Chemical Properties =====

HCC:N1

App

Appearance and Odor:RODS: 14 INCH LENGTH; ROUND 0.125 INCH DIAM W/STEEL FILLER

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:DIFFICULT TO DETERMINE.VARIES GREATLY.

===== Disposal Considerations =====

Waste Disposal Methods:DISCARD ANY PRODUCT RESIDUE,DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER.

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